

DATE: JUNE 13, 2006

TO: ALL INTERESTED PARTIES

RE: M. V. ELWHA DRYDOCKING
CONTRACT NO. 00-7175

ADDENDUM NO. 1

This is to inform you of the following updates and changes to the Invitation For Bids (IFB) for the above-referenced project:

SPECIFICATIONS

Attached hereto and incorporated herein are revisions to the IFB Technical Specifications and Attachments to the Technical Specifications documents.

QUESTIONS AND ANSWERS

Attached hereto and incorporated herein are twenty-seven (27) Questions and Answers regarding the IFB Technical Specifications documents.

All other terms and conditions remain unchanged. All bidders will be required to acknowledge receipt of this Addendum on the Bid Form. All Addenda will become a part of the Contract.

Sincerely,

Barbara Olson
Contracts Coordinator

Attachment

ATTACHMENT TO ADDENDUM NO. 1

TECHNICAL SPECIFICATIONS

CAPASTIC REPAIRS

Item No. 16

Page 8, lines 9 - 11. Paragraph A. Delete the entire Paragraph "A" and replace with the following new text:

"A. Renew the entire capastic around the CAPAC anodes using Contractor furnished 'Capastic' epoxy troweling compound made by ELECTROCATALYTIC, INC. The capastic shall be applied to a minimum thickness of 1/8 inch in the area of the shield out from the faired area around the anode. Remove the existing capastic during the underwater body preparation."

SEA VALVE REPAIRS

Item No. 18

Page 9, line 22. Paragraph C. Delete the first sentence starting with the word "Prepare" and replace with the following new text:

"Prepare 40 square feet in vessel bilges in each engine room, 80 sq. ft. total, to an SSPC-SP 3, Power Tool Cleaning. The 40 sq ft. is below the deck plates in the vicinity of the valve."

Page 9, line 32. Paragraph D. After the word "hardware.", add the following new text:

"US Rubber can be contacted at 1-800-332-4499 or WWW.USRUBBER.COM. Rebuild kits for Norris butterfly valves are type M."

STERN FRAME REPAIRS

Item No. 20

Page 11, line 12. Paragraph E. After the word “welding”, add the following new text: “two (2) passes.”

Page 11, line 18. Paragraph H. Delete the entire paragraph “H” and add the following new text:

“H. Prior to installing the Inner Shaft Seals provide the services of Sound Propeller to install new Contractor furnished seal rings. The inner seal is a Waukesha with “Buna” seal elements.”

RENEW SALT WATER TREATMENT TANK FLANGES

Item No. 21

Page 12, line 16 - 17. Paragraph F. Delete the entire Paragraph “F” and replace with the following new text:

“F. Prepare all areas affected by this work and the entire interior of the treatment tanks and covers to an SSPC-SP 3, Power Tool Cleaning.”

PIPE COUPONS

Item No. 23

Page 13, line 15. Paragraph B. After Paragraph “B”, make the following changes to the TABLE - PIPING COUPON LOCATIONS, Item No. 6. In the “Service” Column, delete “6 POTW Discharge”.

Page 15, line 3. Paragraph D. Delete the entire last sentence of the paragraph starting with the words “In addition.....”

STEEL REPAIRS CAR DECK AND ABOVE

Item No. 25

Page 16, line 30. After “Area (13)”, add the following new text:

“Area (14) On the main deck renew 10 square feet in the engineer’s head deck.”

Page 17, line 7. Paragraph C. After the word “inserts”, add the following new text:

“It is estimated there will be at least five (5) locations that will not disturb the tile or stair treads.”

SECURITY SYSTEM FOUNDATIONS

Item No. 27

Page 18, line 27. Paragraph A. After the word “Plan.”, replace the period with a comma and add the following new text:

“;and Attachment No. 10, WSF Dwg. 8204-639-095-02 M/V ELWHA Homeland Security Cabling & Wiring Diagram.”

IBA RACK REFURBISHMENT

Item No. 28

Page 19, line 5. Paragraph A. After the word “location.”, add the following new text:

“The launching system consists of the hand pump, tubing and fitting on the curtain plate and the racks on the overhead of the car deck at four (4) locations.”

Page 19, line 18. Paragraph F. Delete the entire sentence starting with the word “Refill” and replace with the following new text:

‘Refill the system with new WSF furnished hydraulic oil’.

AIR HORN RELOCATION

Item No. 43

Page 29, line 12. Paragraph A. After the word "masts.", add the following new text:

- . "Relocate the whistle light to the mast above the air horn. Extend the wiring as required by locating a junction box in the overhead of the pilothouse."

PIPING RENEWAL

Item No. 44

Page 29, lines 22 – 25. Paragraph A. Delete the entire Paragraph "A" and replace with the following new text:

- "A. Using **Attachment No. 9**, WSF Dwg. 3172-S48-4 Hot and Cold Fresh Water System Piping Diagram as a guide renew the galvanized piping sections of the hot and cold water systems from the discharge side the pumps throughout the vessel, sections that are existing copper or copper-nickel shall remain. Renew the deck penetrations and twelve inches (12") of steam and condensate piping at each radiator in the crews quarters and upper and lower passenger decks. "There are eighteen (18) radiators to have penetrations renewed."

Page 29, line 27. Paragraph B. Delete the first sentence starting with the word "Material" and replace with the following new text:

- "B. Material for the potable water system shall be seamless copper pipe and fittings instead of the galvanized pipe called out on Attachment No. 9."

SEA VALVE REMOTE OPERATORS

Item No. 46

Page 31, lines 1-8. Paragraph C. After the word "recommendations", add the following new text:

- "C. Deck box shall be similar to a VCDB-1400, flexible shaft shall be similar to a type C part number VCFX-4300, coupling shall be for a rising stem valve part number VCM-2400. Clamps shall be provided as required by the length and manufacturers recommendations."

Page 31, lines 1-8. Paragraph D. Delete the entire Paragraph “D” replace with the following new text:

“D. Size the deck boxes to penetrate the vehicle deck. The deck boxes are to be continuously welded at the vehicle deck.”

ATTACHMENTS TO THE TECHNICAL SPECIFICATIONS

TABLE OF CONTENTS

The Table of Contents is revised to incorporate: a revised Attachment Nos. 6, M/V ELWHA Sketch Passenger Deck Steel Replacement; Attachment No 7, WSF Dwg. 8000-639-095-02, Rev. D, M/V ELWHA, HOMELAND SECURITY PLAN TYPICAL FOUNDATION STANDARD; a new Attachment No. 10, WSF Dwg. 8204-639-095-02, Rev. -,M/V ELWHA, HOMELAND SECURITY CABLING & WIRING DIAGRAM. (See below).

Attached hereto and incorporated herein is a revised Table of Contents incorporating the above revisions. The revised Table of Contents replaces and supersedes the Table of Contents issued in IFB Addendum No. 1.

ATTACHMENTS TO THE TECHNICAL SPECIFICATIONS

ATTACHMENT NO. 6 (revised)
M/V ELWHA Sketch Passenger Deck Steel Replacement.

ATTACHMENT NO. 7, Rev. D. (revised)
All Vessels Homeland Security Plan Typical Foundations Standard.

ATTACHMENT NO. 10 (new)
WSF Dwg. 8204-639-095-02, Rev. - M/V ELWHA , HOMELAND SECURITY CABLING & WIRING DIAGRAM.

Attached hereto and incorporated herein (for prequalified bidders only) are the two (2) revised Attachments and (1) new Attachment, per above.

QUESTIONS AND ANSWERS

1. **Q.** [IFB Technical Specifications]. Does this class vessel have a separate fresh water (potable water) system from the flushing water system?

A. This class vessel has a separate flushing system.

2. **Q.** [IFB Technical Specifications]. There is no mention of vessel towing in the spec. items. Will the state create an item or specify what I am to include the towing cost in?

A. Towing of the vessel from and to Eagle Harbor is covered in the IFB Special Provisions. How the costs are distributed by the Contractor is up to the Contractor's cost system.

3. **Q.** [IFB Technical Specifications, Item No 16, Capastic Repairs]. Page 8, Paragraph A.

 1. Who supplies the capastic?

A. 1. Please see the revision to the IFB Technical Specifications in this IFB Addendum.

4. **Q.** [IFB Technical Specifications, Item No 18, Sea Valve Repairs]. Page 9, Paragraph Nos. C and D.

 1. Paragraph C. Is the 40 sq ft. for each engine room above or below the deck boards?
 2. Paragraph D. Can the State furnish more information on the expansion joints (such as flange to flange measurements, material, etc or a supplier for them)?
 3. Are the rebuild kits for the 10" butterfly valves R or M series?

- A. 1 – 3. Please see the revision to the IFB Technical Specifications in this IFB Addendum.
5. Q. [IFB Technical Specifications, Item No 20, Stern Frame Repairs, No. 1 End].
Page 11, Paragraph E.
- How large a weld is figured into the 12 square feet of the stern tub welding?
- A. Assume two (2) passes. Please see the revision to the IFB Technical Specifications in this IFB Addendum.
6. Q. [IFB Technical Specifications, Item No 20, Stern Frame Repairs, No. 1 End].
Page 11, line 17. Paragraph H.
- Item 20, H: Are inner seals to be replaced with new Eagle seals or new Waukesha seal rings?
- A. Please see the revision to the IFB Technical Specifications in this IFB Addendum.
7. Q. [IFB Technical Specifications, Item No 21, Renew Salt Water Treatment Tank Flanges]. Page 12, Paragraph C.
- In order to install a new bolting flange, is there anything on the tank top to be removed?
- A. No, it is to be inserted in current opening.

8. Q. [IFB Technical Specifications, Item No 23, Pipe Coupons]. Page 13, Paragraph B, Table – Piping Coupon Locations, Item No. 6, POTW Discharge and Page 15, Paragraph D.

1. Piping Coupon Locations, Item No. 6 lists potable water discharge piping engine room No. 2 above pump.
2. Paragraph D, states to disinfect and certify the entire potable water piping system.

Contractor notes Work Item 44 replaces the entire potable water piping system from pump discharge throughout vessel and also disinfects and flushed system. Contractor recommends deleting the above requirements to Work Item 23.

- A. Please see the revision to the IFB Technical Specifications in this IFB Addendum.
9. Q. [IFB Technical Specifications, Item No 24, Sea Valve (n/a)].

Ship check of the valves listed in the Sea Valve Renewal List found the following discrepancies:

1. Valve Number 4-79-4 is listed as a Bilge Overboard Valve 2½ Inch Stop Check. Ship check found Valve Number 4-79-4 as Sump Pump Discharge Valve 1¼ Inch Glove.
2. Valve Number 3-45-2 is listed as 2 x 3 Inch Scupper Valve. Ship check found Valve Number 3-45-2 as a 3 x 4-Inch Valve.

- A. 1 and 2. Sea Valves are not scheduled for repair under this Contract, with the exception of the repairs listed in Item No. 18 and Item No. 46.
10. Q. [IFB Technical Specifications, Item No 25, Steel Repairs Car Deck and Above]. Attachment No. 6, M/V ELWHA, Sketch Passenger Deck Steel Replacement. Page 16.

Attachment No. 6 doesn't show areas to be renewed. How far off centerline is each of the areas to be renewed. We can estimate steel repairs but can't price interferences until exact locations are know.

- A. Please see the revisions to the IFB Attachments to the Technical Specifications.
- 11. Q.** [IFB Technical Specifications, Item No 25, Steel Repairs Car Deck and Above]. Page 16.
- Area (13) states to renew 200 square feet at frame 76 No. 1 End port and 10 square feet in the engineer's head deck. Where is the engineer's head deck near frame 76 No. 1 End on the Passenger Deck?
- A. Please see the revision to the IFB Technical Specifications in this IFB Addendum. The engineer's head deck is on the vehicle deck.
- 12. Q.** [IFB Technical Specifications, Item No 25, Steel Repairs Car Deck and Above]. Page 17. Section B.
- Section B. states to renew the bulkhead surrounding the inlet ventilation louvers in the casing to the No. 1 and No. 2 motor rooms and engine rooms. How much steel is to be renewed around each louver? Also, one louver on No. 1 End port outboard casing has been inserted with steel and a door was installed so there are only 11 louvers, correct?
- A. Please see the revision to the IFB Technical Specifications in this IFB Addendum.
- 13. Q.** [IFB Technical Specifications, Item No 25, Steel Repairs Car Deck and Above]. Page 17. Section C.
- Section C. states to renew the bulkheads in the stairway that form a void. On shipcheck there are holes above the stairs that are not in the void area. How many separate areas is the State anticipating in the total of twenty square feet of inserts? Will stair treads and vinyl tile need to be replaced or removed and reinstalled?
- A. Please see the revision to the IFB Technical Specifications in this IFB Addendum.

14. Q. [IFB Technical Specifications, Item No 25, Steel Repairs Car Deck and Above].

Item 25 A. Attachment 6 does not show areas to be replaced or is most of it is unreadable. Can the state provide a better visual reference?

A. Please see the revision to the IFB Attachments to Technical Specifications, Attachment No. 6, in this IFB Addendum.

15. Q. [IFB Technical Specifications, Item No 27, Security System Foundations].

In order to find out which foundation goes with which camera at which location, we need Drawing 8204-639-095 Homeland Security Plan Cabling & Wiring Diagram.

A. Please see the revision to the IFB Attachments to the Technical Specifications in this IFB Addendum.

16. [IFB Technical Specifications, Item No 28, IBA Rack Refurbishment]. Page 19, Paragraph F.

Who supplies the Hydraulic oil?

A. Please see the revision to the IFB Technical Specifications in this IFB Addendum.

17. Q. [IFB Technical Specifications, Item No 28, IBA Rack Refurbishment]. Page 19.

Ship check of the Life Raft System on MV Elwha revealed the following discrepancies with the Work Item:

1. Paragraph A states to refurbish stainless steel tubing using new 316 fittings and tubing. Contractor notes tubing described above does not exist.
2. Paragraph B states to disconnect and drain hydraulic fluid, remove pumps and rams. Contractor notes hydraulic components are not to be found on the life raft system.

3. Paragraph F states to flush tubing and refill with new oil. Refer to contractor note above.
4. Paragraph G states to demonstrate operation of the life raft rack system release components using suitable weights.

Contractor requests information on what suitable weights are and what procedure will be enforced in conducting weight test.

- A. 1 – 4. Please see the revision to the IFB Technical Specifications in this IFB Addendum. There is no weight test required for the life raft system. There is an operational test required using a simulated life raft weight
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18. Q. [IFB Technical Specifications, Item Nos. 30 - 38, Paint]

Does the State want zinc applied over hydro blasted areas?

A. Yes. The steps listed in the Specification are the procedures recommended by the paint manufacturer
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19. Q. [IFB Technical Specifications, Item No 31, Prep and Painting Zone 2, Vehicle Decks].

Is the intent of this item to include all vehicle decks and curbing on the lower vehicle deck and all vehicle decks and curbing on the upper vehicle decks.

A. Curbing is included in the Zone No. 2 description and specified in Item No. 31. Vehicle decks are in Zone No. 4 and are not listed as an area to be painted.
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20. Q. [IFB Technical Specifications, Item No 30 - 33, Prep & Painting Zones 1 - 4]. Pages 21 – 25.

The following phrase is in Items 30 through 33. “Perform an inspection of the entire fresh water washed areas to the satisfaction of the WSF Inspector prior to proceeding with any preparation for painting or painting.” The following paragraph states to clean the zone to an SSPC-SP12.

1. Is the Inspector checking to confirm that the zone is clean to an SP-12?

2. Are there going to be other criteria or standards used to meet the satisfaction of the WSF Inspector?
- A. 1 and 2. The criteria to be met is the SSPC-SP 12/NACE 5 Publication, per the IFB Technical Specifications.
21. Q. [IFB Technical Specifications, Item No 30 - 38, Topside Zone Descriptions]. Can equal quality paint be substituted for all zone areas and Items?
- A. No, the paint specified in the Item is required to be used due to WSF's ongoing effort/test to identify other acceptable paint vendors.
22. Q. [IFB Technical Specifications, Item No 30 - 38, Topside Zone Descriptions].
- Topside paint items call for Jotun Paint system. Some of the topside paint items allow for a or "equal" paint to be used. Can a or equal paint be used in all items calling for Jotun paints for topside paint items.
- A. No, the paint specified in the Item is required to be used due to the ongoing effort/test to identify other acceptable vendors.
23. Q. [IFB Technical Specifications, Item No 41, Replace Deck Drains].
- Item Number 41 states to renew all exterior deck drain piping on the upper and lower passenger decks. Contractor notes the following concerns:
1. There are 8 weather deck drains that run from weather deck drains located on the Texas Deck and run into the Upper Deck House Structure, there is approximately 3 feet of exposed exterior drain piping at each location. Is this piping to be included in this work item? And if so is piping to be replaced through the upper deck house bulkhead.
 2. Is it the intent to install flange connections to tie in the new PVC piping to the existing steel deck drains and drain sumps?
- A. 1 and 2. No, this piping is not included. The intent is to install PVC piping to the existing steel drains and sumps. The method is up to the Contractor.

24. Q. [IFB, Technical Specifications, Item No 43, Air Horn Relocation]. Page 29. What will be done with the light on top of the horn on #2 end?

A. Please see the revision to the IFB Technical Specifications in this IFB Addendum

25. Q. [IFB Technical Specifications, Item No 44, Piping Renewal].

Ship check of the Hot and Cold Fresh Water System on MV Elwha revealed the following:

1. The pipe material of the existing system is a combination of Brass, CUNI 90-10, Copper and galvanized steel. Fitting materials are bronze, copper and galvanized steel. Paragraph B states material for the potable water system shall be as specified on Attachment No. 9. Attachment No. 9 shows piping and fittings to be Galvanized Steel.

Contractor requests clarification to the material requirements for the new piping and fittings to be installed.

2. Contractor found various modifications and new pipe installations that do not show on the piping diagram the majority being on the upper and lower passenger deck. Also the pipe sizes shown on the diagram as compared to the existing system are different in many locations. The new pipe installations found on the upper and lower passenger deck appear to be copper. Paragraph A of the work item states to renew piping throughout the vessel.

Is it the intent to replace all piping even if recently installed? And is it the intent to install same size piping as removed even if different than the diagram shows.

A. Please see the revision to the IFB Technical Specifications in this IFB Addendum.

26. Q. [IFB, Technical Specifications, Item No 44, Piping Renewal]. [How many radiators are there on the upper and lower passenger decks?](#) Page 29.

A. Please see the revision to the IFB Technical Specifications in this IFB Addendum.

27. Q. [IFB Technical Specifications, Item No 46 Sea Vale Remote Operators]. [Page 30, Paragraph B.](#)

[Can the state give a better description of the length, size and type of end connections for SCR flexible shafting?](#)

A. Please see the revision to the IFB Attachments to the Technical Specifications in this IFB Addendum.

(END)